

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/771,009

DATE: 04/26/2001

TIME: 11:29:19

Input Set : A:\00801017200US00.txt

Output Set: N:\CRF3\04262001\I771009.raw

ENTERED**RECEIVED**

MAY 09 2001

TECH CENTER 1600/2900

4 <110> APPLICANT: HOLZBERG, STEVEN P.
5 POGUE, GREGORY P.
7 <120> TITLE OF INVENTION: CYTOPLASMIC INHIBITION OF GENE
8 EXPRESSION AND EXPRESSION OF A FOREIGN PROTEIN IN A MONOCOT
9 PLANT BY A PLANT VIRAL VECTOR
11 <130> FILE REFERENCE: 0801017200US00
C--> 13 <140> CURRENT APPLICATION NUMBER: US/09/771,009
14 <141> CURRENT FILING DATE: 2001-01-25
16 <160> NUMBER OF SEQ ID NOS: 74
18 <170> SOFTWARE: FastSEQ for Windows Version 4.0
20 <210> SEQ ID NO: 1
21 <211> LENGTH: 17
22 <212> TYPE: PRT
23 <213> ORGANISM: Cocksackie virus
25 <400> SEQUENCE: 1
26 Asn Phe Asp Leu Leu Lys Leu Ala Gly Asp Val Glu Ser Asn Pro Gly
27 1 5 10 15
28 Pro
31 <210> SEQ ID NO: 2
32 <211> LENGTH: 20
33 <212> TYPE: PRT
34 <213> ORGANISM: Cocksackie virus
36 <400> SEQUENCE: 2
37 Gln Leu Leu Asn Phe Asp Leu Leu Lys Leu Ala Gly Asp Val Glu Ser
38 1 5 10 15
39 Asn Leu Gly Pro
40 20
42 <210> SEQ ID NO: 3
43 <211> LENGTH: 20
44 <212> TYPE: PRT
45 <213> ORGANISM: Cocksackie virus
47 <400> SEQUENCE: 3
48 Gln Leu Leu Asn Phe Asp Leu Leu Lys Leu Ala Gly Asp Val Glu Ser
49 1 5 10 15
50 Asn Pro Arg Pro
51 20
53 <210> SEQ ID NO: 4
54 <211> LENGTH: 20
55 <212> TYPE: PRT
56 <213> ORGANISM: Cocksackie virus
58 <400> SEQUENCE: 4
59 Gln Leu Leu Asn Phe Asp Leu Leu Lys Leu Ala Gly Asp Val Glu Ser
60 1 5 10 15
61 Asn Pro Gly Pro
62 20
64 <210> SEQ ID NO: 5
65 <211> LENGTH: 20

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66 <212> TYPE: PRT
67 <213> ORGANISM: Cocksackie virus
69 <400> SEQUENCE: 5
70 Gln Thr Leu Asn Phe Asp Leu Leu Lys Leu Ala Gly Asp Val Glu Ser
71 1 5 10 15
72 Asn Pro Gly Pro
73 20
75 <210> SEQ ID NO: 6
76 <211> LENGTH: 20
77 <212> TYPE: PRT
78 <213> ORGANISM: Cocksackie virus
80 <400> SEQUENCE: 6
81 Gln Leu Leu Asn Phe Asp Leu Leu Lys Leu Ala Gly Asp Val Glu Ser
82 1 5 10 15
83 Asn Pro Gly Pro
84 20
86 <210> SEQ ID NO: 7
87 <211> LENGTH: 20
88 <212> TYPE: PRT
89 <213> ORGANISM: Cocksackie virus
91 <400> SEQUENCE: 7
92 His Tyr Ala Gly Tyr Phe Ala Asp Leu Leu Ile His Asp Ile Glu Thr
93 1 5 10 15
94 Asn Pro Gly Pro
95 20
97 <210> SEQ ID NO: 8
98 <211> LENGTH: 20
99 <212> TYPE: PRT
100 <213> ORGANISM: Cocksackie virus
102 <400> SEQUENCE: 8
103 His Tyr Ala Gly Tyr Phe Ser Asp Leu Leu Ile His Asp Val Glu Thr
104 1 5 10 15
105 Asn Pro Gly Pro
106 20
108 <210> SEQ ID NO: 9
109 <211> LENGTH: 20
110 <212> TYPE: PRT
111 <213> ORGANISM: Cocksackie virus
113 <400> SEQUENCE: 9
114 Tyr His Ala Asp Tyr Tyr Lys Gln Arg Leu Ile His Asp Val Glu Met
115 1 5 10 15
116 Asn Pro Gly Pro
117 20
119 <210> SEQ ID NO: 10
120 <211> LENGTH: 19
121 <212> TYPE: PRT
122 <213> ORGANISM: Cocksackie virus
124 <400> SEQUENCE: 10
125 Gln Leu Leu Asn Phe Asp Leu Leu Lys Leu Ala Gly Asp Val Glu Ser

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126	1	5	10	15	
127	Asn Pro Gly				
130	<210> SEQ ID NO: 11				
131	<211> LENGTH: 28				
132	<212> TYPE: DNA				
133	<213> ORGANISM: Barley stripe mosaic virus				
135	<400> SEQUENCE: 11				
136	cttcttccgt tgctagctaa aaaaaaaa				28
138	<210> SEQ ID NO: 12				
139	<211> LENGTH: 21				
140	<212> TYPE: DNA				
141	<213> ORGANISM: Barley stripe mosaic virus				
143	<400> SEQUENCE: 12				
144	agttacttct tgaatttctc c				21
146	<210> SEQ ID NO: 13				
147	<211> LENGTH: 39				
148	<212> TYPE: DNA				
149	<213> ORGANISM: Barley stripe mosaic virus				
151	<400> SEQUENCE: 13				
152	tatagcgcgc atttaaattg gtcttccctt gggggaccg				39
154	<210> SEQ ID NO: 14				
155	<211> LENGTH: 49				
156	<212> TYPE: DNA				
157	<213> ORGANISM: Saccharomyces cerevisiae				
159	<400> SEQUENCE: 14				
160	tatgctagct gattaattaa gtcgacgagc tgatttaaca aattttaac				49
162	<210> SEQ ID NO: 15				
163	<211> LENGTH: 44				
164	<212> TYPE: DNA				
165	<213> ORGANISM: Saccharomyces cerevisiae				
167	<400> SEQUENCE: 15				
168	tatgctagct gagcgggcgc gcacgtgtca gtcctgctcc tcgg				44
170	<210> SEQ ID NO: 16				
171	<211> LENGTH: 46				
172	<212> TYPE: DNA				
173	<213> ORGANISM: Barley stripe mosaic virus				
175	<400> SEQUENCE: 16				
176	tatactagtt taattaagtc gaccatggct agcaaaggag aagaac				46
178	<210> SEQ ID NO: 17				
179	<211> LENGTH: 44				
180	<212> TYPE: DNA				
181	<213> ORGANISM: Barley stripe mosaic virus				
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184	tatactagtt gagcgggcgc ttatttgtag agctcatcca tgcc				44
186	<210> SEQ ID NO: 18				
187	<211> LENGTH: 43				
188	<212> TYPE: DNA				
189	<213> ORGANISM: Barley stripe mosaic				
191	<400> SEQUENCE: 18				

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192 tatagagctc tacaaatcta gaatggctac tttctcttgt gtg 43
194 <210> SEQ ID NO: 19
195 <211> LENGTH: 21
196 <212> TYPE: DNA
197 <213> ORGANISM: Barley stripe mosaic virus
199 <400> SEQUENCE: 19
200 agagtccggtt aagattcatg g 21
202 <210> SEQ ID NO: 20
203 <211> LENGTH: 30
204 <212> TYPE: DNA
205 <213> ORGANISM: Tobacco mosaic virus
207 <400> SEQUENCE: 20
208 cattaattaa gatgatggct agcaaaggag 30
210 <210> SEQ ID NO: 21
211 <211> LENGTH: 112
212 <212> TYPE: DNA
213 <213> ORGANISM: Tobacco mosaic virus
215 <400> SEQUENCE: 21
216 atatctagac ctaggaccag ggtagattc cacgtcaccc gccaaacttca gcaaatacaa 60
217 attcaacagc tgttttaga gctcagcggc cgccttgat agctcatcca tg 112
219 <210> SEQ ID NO: 22
220 <211> LENGTH: 98
221 <212> TYPE: DNA
222 <213> ORGANISM: Tobacco mosaic virus
224 <400> SEQUENCE: 22
225 tatactagtc agctgttgaa ttttgatttg ctgaagttgg cgggtgacgt ggaatctaac 60
226 cctggtcctg tcgacaaagg agaagaactt ttacttgg 98
228 <210> SEQ ID NO: 23
229 <211> LENGTH: 49
230 <212> TYPE: DNA
231 <213> ORGANISM: Tobacco mosaic virus
233 <400> SEQUENCE: 23
234 tatgctagcg atcaattagc ggccgcttat ttgtagagct catccatgc 49
236 <210> SEQ ID NO: 24
237 <211> LENGTH: 39
238 <212> TYPE: DNA
239 <213> ORGANISM: Homo sapiens
241 <400> SEQUENCE: 24
242 ggccgcttat ccgtatgatg ttccggatta tgccgagct 39
244 <210> SEQ ID NO: 25
245 <211> LENGTH: 31
246 <212> TYPE: DNA
247 <213> ORGANISM: Homo sapiens
249 <400> SEQUENCE: 25
250 cggcataatc cggaacatca tacggataag c 31
252 <210> SEQ ID NO: 26
253 <211> LENGTH: 42
254 <212> TYPE: DNA
255 <213> ORGANISM: Chicken

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257 <400> SEQUENCE: 26
258 ggccgctgaa caaaagctta tctctgagga agatcttgag ct          42
260 <210> SEQ ID NO: 27
261 <211> LENGTH: 34
262 <212> TYPE: DNA
263 <213> ORGANISM: Chicken
265 <400> SEQUENCE: 27
266 caagatcttc ctcagagata agcttttggt cagc          34
268 <210> SEQ ID NO: 28
269 <211> LENGTH: 39
270 <212> TYPE: DNA
271 <213> ORGANISM: Cnidaria
273 <400> SEQUENCE: 28
274 ggccgctcat catcaccatc accatcacca tcacgagct          39
276 <210> SEQ ID NO: 29
277 <211> LENGTH: 31
278 <212> TYPE: DNA
279 <213> ORGANISM: Cnidaria
281 <400> SEQUENCE: 29
282 cgtgatggtg atggtgatgg tgatgatgag c          31
284 <210> SEQ ID NO: 30
285 <211> LENGTH: 32
286 <212> TYPE: DNA
287 <213> ORGANISM: Brome mosaic virus
289 <400> SEQUENCE: 30
290 tattaatta agatgtcgac ttcaggaact gg          32
292 <210> SEQ ID NO: 31
293 <211> LENGTH: 30
294 <212> TYPE: DNA
295 <213> ORGANISM: Brome mosaic virus
297 <400> SEQUENCE: 31
298 tatgcggccg ccctataaag cggggtgaag          30
300 <210> SEQ ID NO: 32
301 <211> LENGTH: 33
302 <212> TYPE: DNA
303 <213> ORGANISM: Chicken
305 <400> SEQUENCE: 32
306 tattaatta agatgacttg ccagacttac aac          33
308 <210> SEQ ID NO: 33
309 <211> LENGTH: 31
310 <212> TYPE: DNA
311 <213> ORGANISM: Chicken
313 <400> SEQUENCE: 33
314 tatgcggccg cgcaattgca tctcctctga g          31
316 <210> SEQ ID NO: 34
317 <211> LENGTH: 34
318 <212> TYPE: DNA
319 <213> ORGANISM: Bovine
321 <400> SEQUENCE: 34

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VERIFICATION SUMMARY

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L:13 M:270 C: Current Application Number differs, Replaced Current Application Number